



Mi-Forms Future Directions

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Mi-Forms Solution

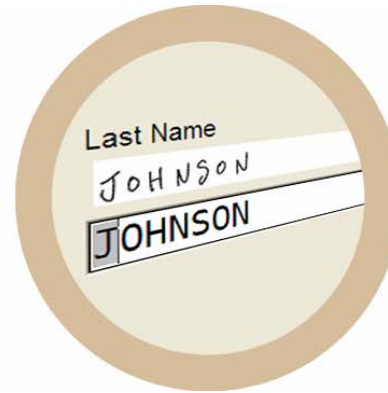
Mi-Forms solution empowers the process from form design to information communication



Design Forms



Capture Data



Verify Data



Communicate

Mi-Forms Solution



Design Forms

Paper Delivery



- Major custom printing division
- Big retail presence (90% of off-the-shelf business forms)
- Now Anoto certified!
- Digital Printing....coming soon

Mi-Forms Solution



Design Forms

Paper Delivery

HP Forms Automation System (FAS)

- On-demand dot pattern printing in conjunction with HP FAS software
- Dot pattern and data-source-driven pre-fill data fields printed together
- Laser printer support: Color (for forms) and monochrome (with careful pattern placement)

Mi-Forms Solution



Design Forms

*Field
Configuration*

Data Paths

“Palettes” – Data-Driven Design

- Ability to load arbitrary XML Schema, Relational Database, or Web Service representations
- Click on data element to add Mi-Forms field with element name and properties to the form

Mi-Forms Solution



Design Forms

*Field
Configuration*

Data Paths

Benefits of “Palettes”

- Mi-Forms field names are automatically generated according to existing data
- More automated data path configuration (e.g., destination, data path type)
- Automated rule configuration

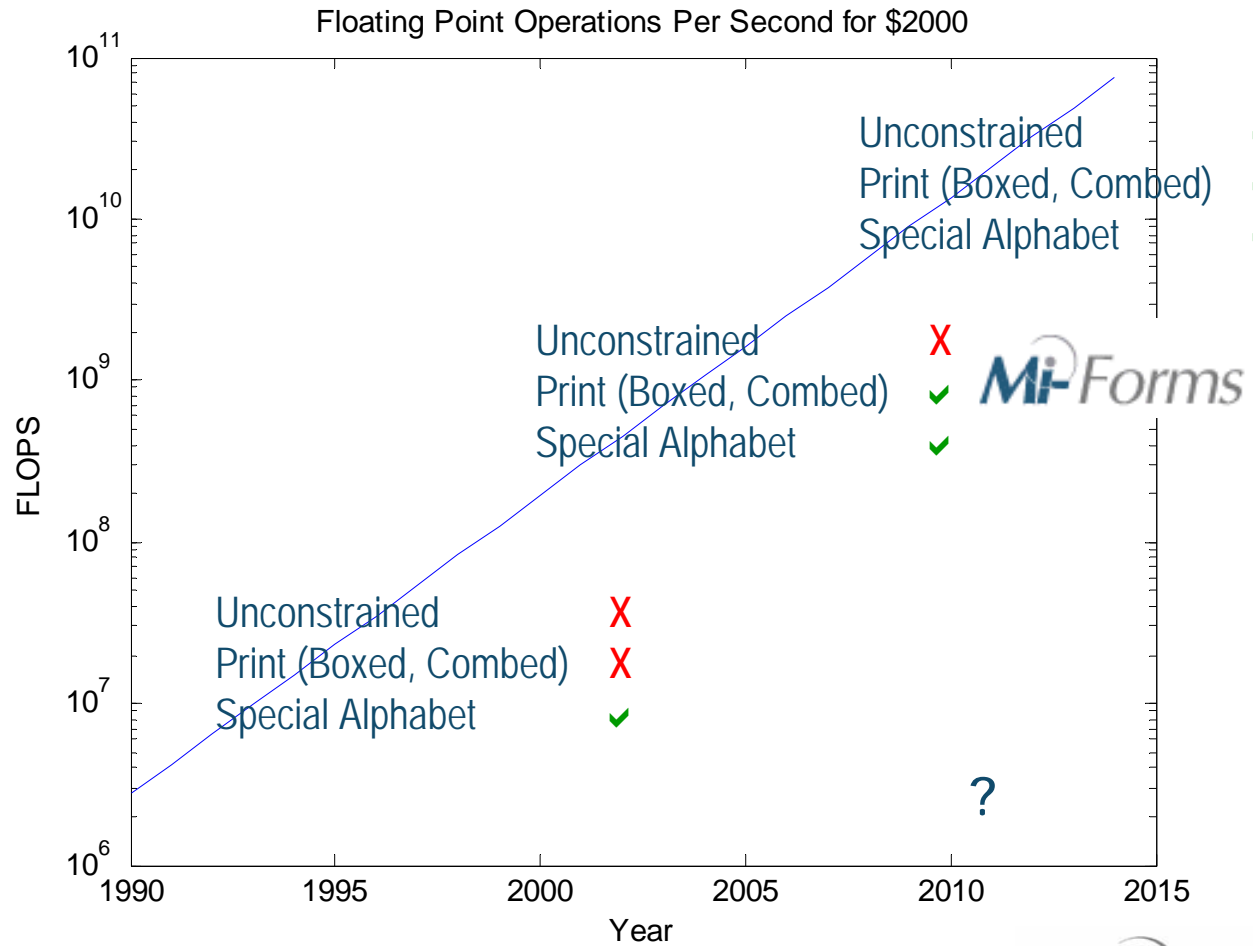
Mi-Forms Solution



Capture Data

*Handwriting
Recognition*

Handwriting Recognition History and Future

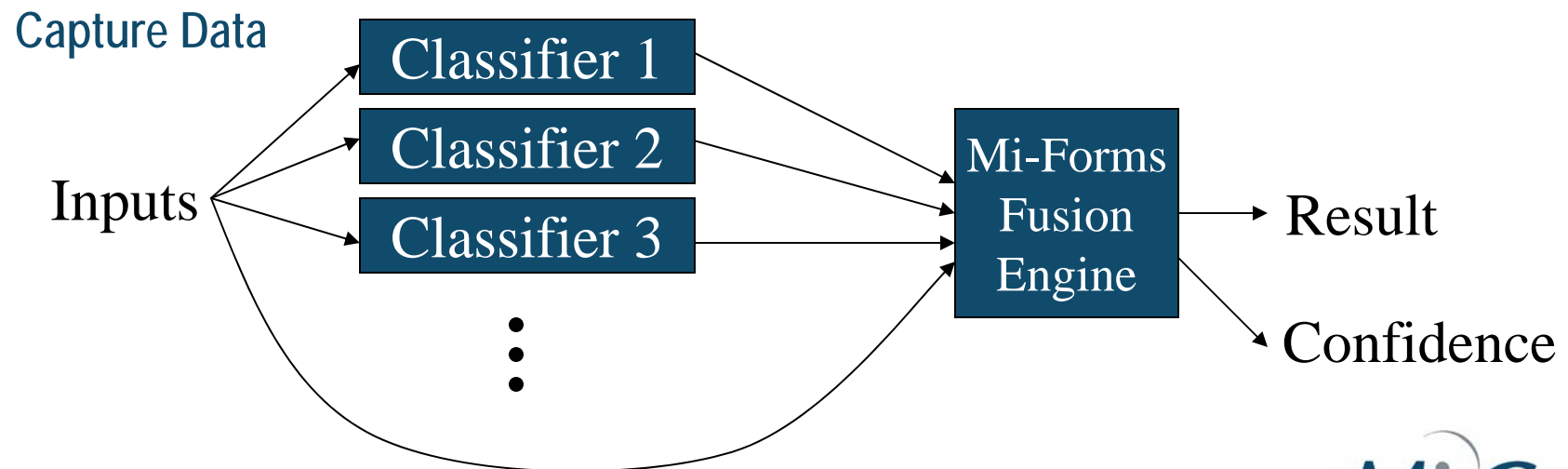


Mi-Forms Solution – Handwriting Recognition



Mi-FormsFusion: Mixture of Experts

Fusion of results from multiple classifiers to attain accuracy beyond the reach of any one classification strategy.



Mi-Forms Solution



Verify Data

*Continue
Experimental
Validation for
ROI Analyses*

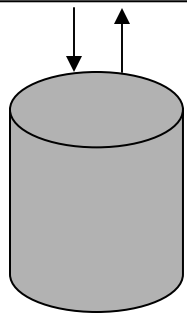
National Cancer Institute – Experimental Validation of Mi-Forms Verification

- Mi-Forms Verification of Logitech io data *More Accurate* than manual data entry
- Same trained data entry person for both experiments
- Data from some pages keyed into wrong electronic page
- Unique dot patterns prevent these errors!
- FAS convenient way to provide unique dot patterns

Mi-Forms Solution – FAS Integration

Server Components

PC Components

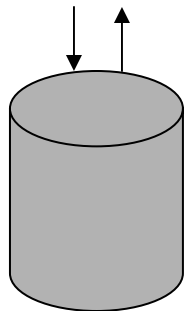


Enterprise
DBMS



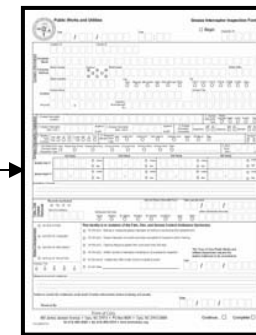
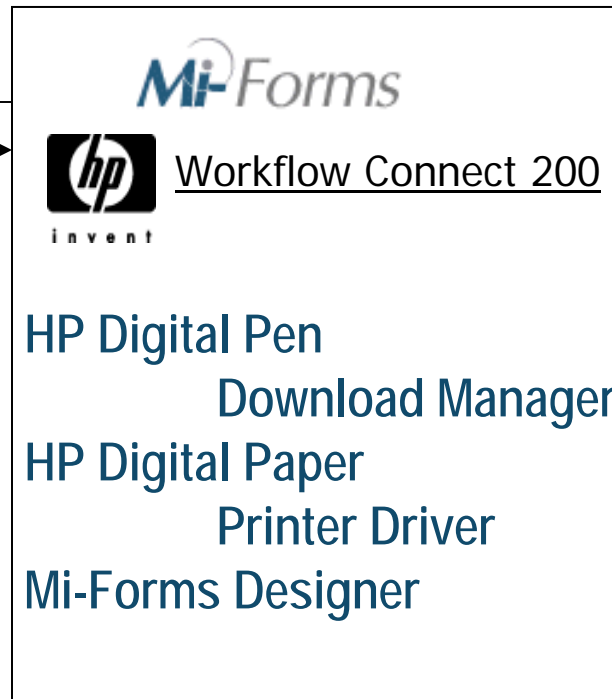
Mi-Forms Solution – FAS Integration

Server Components



Enterprise
DBMS

PC Components



Mi-Forms Solution



Communicate

Data Paths

Future Support for XML Data Interchange Standards

- HL7 Version 2.4/Version 3 (Hospitals)
- HL7 CDA
- CDISC (Clinical Trials)
- ACORD (Insurance)

Mi-Forms Solution – Driving Forward



Design Forms

- Continue to identify and support emerging paper sources
- Data-driven “palette” based forms design



Capture Data

- Handwriting Recognition – Mi-FormsFusion Technology
- Increase ways of providing an interactive user experience



Verify Data

- Use unique pattern where possible
- Apply VBScript rule definitions
- Unconstrained Recognition Verification



Communicate

- Committed to Supporting XML Standards
- Hospital integration program

Mi-Forms Solution – Future Directions



Design Forms



Capture Data



Verify Data



Communicate

- Directions based on our primary research
- Directions based on customer and partner feedback, specific requirements